

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method comprising:
replacing at least one portion of binary image data with at least one other portion of the binary image data;
compressing the binary image data; and
determining whether the compressed binary image data having at least one replaced portion satisfies a target compression ratio,
wherein the replacing at least one portion of binary image data with at least one other portion of the binary image data further comprises:
identifying at least one segment within the binary image data, wherein each segment comprises a plurality of bits;
selecting at least one of the bits in the at least one segment; and
hanging at least one first value of at least one of the bits in the at least one segment to match at least one second value of the at least one selected bit in the segment.
2. (Original) The method as set forth in claim 1 further comprising repeating the replacing, the compressing and the determining at least one time.
3. (Original) The method as set forth in claim 2 wherein the replacing at least one portion of binary image data is performed on successively larger portions of the binary image data.
4. (Canceled)
5. (Currently Amended) The method as set forth in claim [[4]] 1 wherein the at least one segment comprises a plurality of segments and at least one of the plurality of segments is oriented along a first axis in the image data, and at least one other of the plurality of segments is oriented along a second axis in the image data.

6. (Original) The method as set forth in claim 1 wherein the compressing is accomplished using a lossless compression algorithm.

7. (Currently Amended) A system comprising:
 a replacement system that replaces at least one portion of binary image data with at least one other portion of the binary image data;
 a compression system that compresses the binary image data; and
 an assessment system that determines whether the compressed binary image data having at least one replaced portion satisfies a target compression ratio,
wherein the replacement system that replaces further comprises:
an identification system that identifies at least one segment within the binary image data, wherein each segment comprises a plurality of bits;
selection system that selects at least one of the bits in the at least one segment;
and
a changing system that changes at least one first value of at least one of the bits in the at least one segment to match at least one second value of the at least one selected bit in the segment.

8. (Original) The system as set forth in claim 7 wherein the replacement system replaces successively larger portions of the binary image data, the compression system compresses successively larger portions of the binary image data and the assessment system assesses successively larger portions of the binary image data.

9. (Canceled)

10. (Currently Amended) The system as set forth in claim [[9]] 7 wherein the at least one segment comprises a plurality of segments and at least one of the plurality of segments is oriented along a first axis in the image data and at least one other of the plurality of segments is oriented along a second axis in the image data.

11. (Original) The compression system as set forth in claim 7 wherein the compression system uses a lossless compression algorithm.

12. (Currently Amended) A computer readable medium having stored instructions for achieving a target compression ratio for a binary image which, when executed by a processor, causes the processor to perform steps comprising:

replacing at least one portion of binary image data with at least one other portion of the binary image data;

compressing the binary image data; and

determining whether the compressed binary image data having at least one replaced portion satisfies a target compression ratio,

wherein the replacing at least one portion of binary image data with at least one other portion of the binary image data further comprises:

identifying at least one segment within the binary image data, wherein each segment comprises a plurality of bits;

electing at least one of the bits in the at least one segment; and

changing at least one first value of at least one of the bits in the at least one segment to match at least one second value of the at least one selected bit in the segment.

13. (Original) The medium as set forth in claim 12 further comprising repeating the replacing, the compressing and the determining at least one time.

14. (Original) The medium as set forth in claim 13 wherein the replacing at least one portion of binary image data is performed on successively larger portions of the binary image data.

15. (Canceled)

16. (Currently Amended) The medium as set forth in claim [[15]] 12 wherein the at least one segment is oriented along a first axis and a second axis in the image data.

17. (Original) The medium as set forth in claim 12 wherein the compressing is accomplished using a lossless compression algorithm.